

Mouse Glucagon (GC) ELISA Kit | GC elisa kit

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CATALOG #
AAA68118

REACTIVITY
Mouse

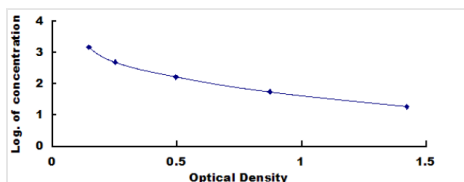
PRODUCT SYNONYMS

Glucagon (GC); Mouse Glucagon (GC) ELISA Kit; GCG; GLP1; GLP2; GRPP; Glicentin-Related Polypeptide; Glucagen; Oxyntomodulin; Incretin hormone; GC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GC. No significant cross-reactivity or interference between GC and analogues was observed.
Sequence Length	180
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Competitive inhibition
Detection Range	23.437-1500pg/mL
Sensitivity	17.34pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GC were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GC elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of GC in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to GC has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled GC and unlabeled GC (Standards or samples) with the pre-coated antibody specific to GC. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of GC in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of GC in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33468853
NCBI GeneID	14526
NCBI Accession #	NP_032126.1
NCBI GenBank Nucleotide #	NM_008100.4
UniProt Accession #	P55095; Q3UFE9
Molecular Weight	20,906 Da
NCBI Official Full Name	glucagon preproprotein
NCBI Official Synonym Full Names	glucagon
NCBI Official Symbol	Gcg
NCBI Official Synonym Symbols	Glu; PPG; GLP-1
NCBI Protein Information	glucagon
UniProt Protein Name	Glucagon
UniProt Gene Name	Gcg
UniProt Synonym Gene Names	GRPP; OXM; OXY; GLP-1; GLP-1(7-37); GLP-1(7-36); GLP-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/glucagon-gc/68118>